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April 30, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of March 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	March 2018
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 121,927,788
	MWH sales:	
2	Total System Sales	4,906,209
3	Less intersystem sales	252,246
4	Total sales less intersystem sales	4,653,963
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.6199
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.5708
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	459,748
8	Oil	6,725
9	Natural Gas - Combustion Turbine	370,780
10	Natural Gas - Combined Cycle	1,672,122
11	Total Fossil	2,509,375
12	Nuclear	2,033,784
13	Hydro - Conventional	73,923
14	Solar Distributed Generation	21,477
15	Total MWH generation	4,638,559

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		March 2018
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	16,172,215
0501310 fuel oil consumed - steam		973,543
Total Steam Generation - Account 501		17,145,758
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		13,884,551
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		7,340,313
0547000 natural gas capacity - Combustion Turbine		1,850,403
0547000 natural gas consumed - Combined Cycle		43,453,154
0547000 natural gas capacity - Combined Cycle		9,169,192
0547200 fuel oil consumed		345,916
Total Other Generation - Account 547		62,158,978
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		32,547,575
Fuel and fuel-related component of DERP purchases		38,321
PURPA purchased power capacity		3,501,027
DERP purchased power capacity		10,592
Total Purchased Power and Net Interchange - Account 555		36,097,515
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		8,137,378
Total Costs Included in Base Fuel Component	$	121,149,424
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	833
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		787,583
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		1,024
Less emissions expense recovered through intersystem sales - Account 447		9,028
Total Costs Included in Environmental Component		778,364
Fuel and Fuel-related Costs excluding DERP incremental costs	$	121,927,788
DERP Incremental Costs		163,504
Total Fuel and Fuel-related Costs	$	122,091,292

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

MARCH 2018

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 6,036,509	$ 1,085,194	108,490	$ 4,951,315	-
City of Fayetteville	892,645	714,350	3,084	178,295	-
Haywood EMC	29,050	29,050	-	-	-
NCEMC	4,546,722	2,712,743	45,543	1,833,979	-
PJM Interconnection, LLC.	(1,015)	-	-	(1,015)	-
Southern Company Services	4,065,103	787,332	109,089	3,277,771	-
DE Carolinas - Native Load Transfer	6,465,830	-	190,808	6,464,280	$ 1,550
DE Carolinas - Native Load Transfer Benefit	371,126	-	-	371,126	-
DE Carolinas - Fees	802,539	-	-	802,539	-
Energy Imbalance	44,297		1,234	38,572	5,725
Generation Imbalance	3,547		114	2,164	1,383
	$ 23,256,353	**$ 5,328,669**	**458,362**	**$ 17,919,026**	**$ 8,658**
Act 236 PURPA Purchases					
Renewable Energy	$ 10,551,470	-	162,520	$ 10,551,470	-
DERP Qualifying Facilities	48,912	-	966	48,912	-
Other Qualifying Facilities	7,578,107	-	121,964	7,578,107	-
	$ 18,178,489	**$ -**	**285,450**	**$ 18,178,489**	**$ -**
Total Purchased Power	**$ 41,434,842**	**$ 5,328,669**	**743,812**	**$ 36,097,515**	**$ 8,658**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

MARCH 2018

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 945,265	$ 652,500	9,547	$ 333,705	$ (40,940)
PJM Interconnection, LLC.	11,680	-	238	7,840	3,840
Other:					
DE Carolinas - Native Load Transfer Benefit	1,423,414	-	-	1,423,414	-
DE Carolinas - Native Load Transfer	6,760,693	-	242,448	6,382,471	378,222
Generation Imbalance	(2)	-	13	-	(2)
Total Intersystem Sales	**$ 9,141,050**	**$ 652,500**	**252,246**	**$ 8,147,430**	**$ 341,120**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
March 2018

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,653,962,859
2	DERP Net Metered kWh generation	Input					1,044,569
3	Adjusted System kWh sales	L1 + L2					4,655,007,428
4	Actual S.C. Retail kWh sales	Input	143,961,446	18,983,274	241,378,882	6,689,961	411,013,563
5	DERP Net Metered kWh generation	Input	255,276	8,847	780,446		1,044,569
6	Adjusted S.C. Retail kWh sales	L4 + L5	144,216,722	18,992,121	242,159,328	6,689,961	412,058,132
7	Actual S.C. Demand units (kw)	L32 / 31b *100			657,929		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$106,579,892
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$33,455
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$106,613,347
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.290
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,302,987	$434,975	$5,546,160	$153,220	$9,437,342
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($19,776)	($1,827)	($11,852)	$0	($33,455)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,283,211	$433,148	$5,534,308	$153,220	$9,403,887
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.211	2.210	2.210	2.210	2.210
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,182,868	$419,530	$5,334,473	$147,848	$9,084,719
17	DERP NEM incentive - fuel component	Input	($5,623)	($519)	($3,369)	$0	($9,511)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,177,245	$419,011	$5,331,104	$147,848	$9,075,208
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	$105,966	$14,137	$203,204	$5,372	$328,679
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	$105,966	$14,137	$203,204	$5,372	$328,679
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.527	0.369			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			69		
23	Incurred S.C. base fuel - capacity expense	Input	$758,065	$70,030	$454,290		$1,282,385
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.472	0.371			
24b	Billed base fuel - capacity rate (¢/kW)	Input			96		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$678,878	$70,428	$ 631,618	$0	$1,380,924
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	$79,187	($398)	(177,328.00)	$0	($98,539)
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$79,187	($398)	($177,328)	$0	($98,539)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.028	0.020			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			4		
30	Incurred S.C. environmental expense	Input	$40,635	$3,754	$24,352		$68,741
31a	Billed environmental rates by class (¢/kWh)	Input	0.035	0.024			
31b	Billed environmental rate (¢/kW)	Input			7		
32	Billed S.C. environmental revenue	L31a * L4 /100	$50,023	$4,556	$ 46,055		$100,634
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($9,388)	($802)	($21,703)	$0	($31,893)
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($9,388)	($802)	($21,703)	$0	($31,893)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.002	0.001			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.233		
37	Incurred S.C. DERP avoided cost expense	Input	$2,554	$236	$1,530		$4,320
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.000	0.000			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$0	$0	$0		$0
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$2,554	$236	$1,530	$0	$4,320
41	Adjustment	Input	$0	$0	$0	$0	$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$2,554	$236	$1,530	$0	$4,320
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	$178,319	$13,173	$5,703	$5,372	$202,567

Year 2017-2018

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY

		Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2	Balance ending February 2017	$6,872,181					
	March 2017 - actual	9,008,686	$763,399	$98,306	$1,239,859	$34,941	$2,136,505
	April 2017 - actual	10,494,432	426,888	62,439	973,844	22,575	1,485,746
	May 2017 - actual	9,808,868	(173,333)	(27,502)	(475,412)	(9,317)	(685,564)
	June 2017 - actual	11,236,626	488,131	74,799	844,641	20,187	1,427,758
	July 2017 - actual	11,772,725	172,369	25,506	332,436	5,788	536,099
	August 2017 - actual	11,986,788	72,808	10,890	127,812	2,553	214,063
	September 2017 - actual	10,024,599	(684,686)	(110,532)	(1,141,999)	(24,972)	(1,962,189)
	October 2017 - actual	8,131,446	(500,633)	(83,695)	(1,284,814)	(24,011)	(1,893,153)
	November 2017 - actual	7,039,997	(314,738)	(48,923)	(712,179)	(15,609)	(1,091,449)
	December 2017 - actual	8,306,588	504,163	63,542	680,112	18,774	1,266,591
	January 2018 - actual	24,772,759	6,725,553	734,009	8,849,645	156,964	16,466,171
_/3	February 2018 - actual	23,394,311	(566,679)	(67,851)	(727,133)	(16,785)	(1,378,448)
	March 2018 - actual	23,722,990	105,966	14,137	203,204	5,372	328,679
_/4	April 2018 - forecast	23,179,434	(174,787)	(24,640)	(336,156)	(7,973)	(543,556)
_/4	May 2018 - forecast	22,680,447	(141,821)	(23,929)	(325,520)	(7,717)	(498,987)
_/4	June 2018 - forecast	$22,369,572	(97,775)	(14,271)	(194,243)	(4,586)	($310,875)

Year 2017-2018

Cumulative (over) / under recovery - BASE FUEL CAPACITY

		Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2	Balance ending February 2017	$893,261					
	March 2017 - actual	806,670	($56,692)	($2,999)	($26,900)	$0	($86,591)
	April 2017 - actual	855,256	34,522	2,742	11,322	0	48,586
	May 2017 - actual	863,837	16,521	(860)	(7,080)	0	8,581
	June 2017 - actual	1,093,070	111,106	8,714	109,413	0	229,233
	July 2017 - actual	1,329,570	92,732	(6,332)	150,100	0	236,500
	August 2017 - actual	1,544,702	102,543	(7,486)	120,075	0	215,132
	September 2017 - actual	1,721,380	110,370	(11,647)	77,955	0	176,678
	October 2017 - actual	2,170,530	335,395	12,870	100,885	0	449,150
	November 2017 - actual	2,359,492	190,857	5,518	(7,413)	0	188,962
	December 2017 - actual	2,239,809	(97,259)	(8,258)	(14,166)	0	(119,683)
	January 2018 - actual	1,538,422	(501,047)	(37,389)	(162,951)	0	(701,387)
	February 2018 - actual	1,622,067	98,482	6,852	(21,689)	0	83,645
	March 2018 - actual	1,523,528	79,187	(398)	(177,328)	0	(98,539)
_/4	April 2018 - forecast	1,762,504	222,846	11,083	5,047	0	238,976
_/4	May 2018 - forecast	2,177,406	320,553	10,919	83,430	0	414,902
_/4	June 2018 - forecast	$2,189,440	105,818	2,471	(96,255)	0	$12,034

Year 2017-2018

Cumulative (over) / under recovery - ENVIRONMENTAL

		Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2	Balance ending February 2017	($618,034)					
	March 2017 - actual	(633,513)	($13,791)	($1,056)	($632)	$0	($15,479)
	April 2017 - actual	(682,896)	(27,527)	(3,223)	(18,633)	0	(49,383)
	May 2017 - actual	(718,603)	(19,646)	(2,877)	(13,184)	0	(35,707)
	June 2017 - actual	(729,460)	(12,726)	(2,238)	4,107	0	(10,857)
	July 2017 - actual	(639,166)	45,068	4,415	40,811	0	90,294
	August 2017 - actual	(570,303)	35,153	3,230	30,480	0	68,863
	September 2017 - actual	(606,640)	(19,149)	(2,616)	(14,572)	0	(36,337)
	October 2017 - actual	(634,976)	(8,894)	(1,628)	(17,814)	0	(28,336)
	November 2017 - actual	(675,922)	(15,979)	(1,925)	(23,042)	0	(40,946)
	December 2017 - actual	(653,319)	8,725	1,739	12,139	0	22,603
	January 2018 - actual	(565,420)	44,655	5,840	37,404	0	87,899
	February 2018 - actual	(616,504)	(27,325)	(1,865)	(21,894)	0	(51,084)
	March 2018 - actual	(648,397)	(9,388)	(802)	(21,703)	0	(31,893)
_/4	April 2018 - forecast	(666,591)	(3,490)	(410)	(14,294)	0	(18,194)
_/4	May 2018 - forecast	(672,681)	3,267	(450)	(8,907)	0	(6,090)
_/4	June 2018 - forecast	($618,873)	$35,374	$3,799	$14,635	$0	$53,808

Cumulative (over) / under recovery - DERP AVOIDED COSTS

		Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
_/2	Balance ending February 2017	$0					
	March 2017 - actual	0	$0	$0	$0	$0	$0
	April 2017 - actual	0	0	0	0	0	0
	May 2017 - actual	0	0	0	0	0	0
	June 2017 - actual	252	135	14	103	0	252
	July 2017 - actual	252	0	0	0	0	0
	August 2017 - actual	252	0	0	0	0	0
	September 2017 - actual	252	0	0	0	0	0
	October 2017 - actual	252	0	0	0	0	0
	November 2017 - actual	252	0	0	0	0	0
	December 2017 - actual	252	0	0	0	0	0
	January 2018 - actual	418	99	9	58	0	166
	February 2018 - actual	2,713	1,357	125	813	0	2,295
	March 2018 - actual	7,033	2,554	236	1,530	0	4,320
_/4	April 2018 - forecast	13,384	3,404	343	2,604	0	6,351
_/4	May 2018 - forecast	19,540	3,299	333	2,524	0	6,156
_/4	June 2018 - forecast	$25,347	$3,112	$314	$2,381	$0	$5,807

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
March 2018

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$96,653	$38,357	$28,494	$163,504
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.88	99.56	
46	Billed S.C. DERP incremental revenue	Input	$137,502	$92,708	$26,081	$256,291
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($40,849)	($54,351)	$2,413	($92,787)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($40,849)	($54,351)	$2,413	($92,787)

	Year 2017-2018 Cumulative (over) / under recovery	Cumulative	Total
_/2	Balance ending February 2017	$391,293	
	March 2017 - actual	371,761	($19,532)
	April 2017 - actual	379,969	8,208
	May 2017 - actual	399,488	19,519
	June 2017 - actual	460,764	61,276
	July 2017 - actual	325,094	(135,670)
	August 2017 - actual	196,111	(128,983)
	September 2017 - actual	99,713	(96,398)
	October 2017 - actual	(44,209)	(143,922)
	November 2017 - actual	(183,930)	(139,721)
	December 2017 - actual	(291,982)	(108,052)
	January 2018 - actual	(413,689)	(121,707)
_/3	February 2018 - actual	(451,744)	(38,055)
	March 2018 - actual	(544,531)	(92,787)
_/4	April 2018 - forecast	(608,098)	(63,567)
_/4	May 2018 - forecast	(665,120)	(57,022)
_/4	June 2018 - forecast	($715,725)	($50,606)

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.

_/2 February 2017 ending balance reflects total adjustments of $(129,849) pursuant to the docket no. 2017-1-E directive.

_/3 Includes prior period adjustments.

_/4 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
March 2018

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$5,605,018	-	$14,127,492	$1,088,158
Oil	959	-	-	-	(6,330)	-	489,297	276,024
Gas - CC	-	17,976,147	13,680,108	-	-	-	-	-
Gas - CT	23	-	976,936	-	-	1,147,519	-	-
Total	982	$17,976,147	$14,657,044	-	$5,598,688	$1,147,519	$14,616,789	$1,364,182
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	326.95	-	307.92	370.62
Oil	-	-	-	-	-	-	1,571.74	1,561.66
Gas - CC	-	390.01	453.27	-	-	-	-	-
Gas - CT	-	-	410.45	-	-	386.40	-	-
Weighted Average	-	390.01	450.14	-	326.58	386.40	316.43	438.25
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$3,188,731	-	$10,039,468	$2,944,016
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	45,478	-	-	-	135,010	247,399	527,192	311,342
Gas - CC	-	17,976,147	13,680,108	-	-	-	-	-
Gas - CT	23	-	976,936	-	-	1,147,519	-	-
Nuclear	-	-	-	4,106,946	-	-	-	-
Total	$45,501	$17,976,147	$14,657,044	$4,106,946	$3,323,741	$1,394,918	$10,566,660	3,255,358
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	317.17	-	319.18	330.77
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,583.50	-	-	-	1,648.47	1,648.56	1,537.90	1,511.88
Gas - CC	-	390.01	453.27	-	-	-	-	-
Gas - CT	-	-	410.45	-	-	386.40	-	-
Nuclear	-	-	-	69.31	-	-	-	-
Weighted Average	1,584.30	390.01	450.14	69.31	327.93	447.11	332.32	357.48
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	3.82	-	3.27	4.25
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	47.37	-	-	-	19.98	20.41	15.88	19.44
Gas - CC	-	2.83	3.24	-	-	-	-	-
Gas - CT	-	-	3.88	-	-	4.46	-	-
Nuclear	-	-	-	0.70	-	-	-	-
Weighted Average	47.40	2.83	3.28	0.70	3.95	5.18	3.41	4.60
Burned MBTU's								
Coal	-	-	-	-	1,005,375	-	3,145,392	890,057
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	2,872	-	-	-	8,190	15,007	34,280	20,593
Gas - CC	-	4,609,163	3,018,123	-	-	-	-	-
Gas - CT	-	-	238,016	-	-	296,978	-	-
Nuclear	-	-	-	5,925,058	-	-	-	-
Total	2,872	4,609,163	3,256,139	5,925,058	1,013,565	311,985	3,179,672	910,650
Net Generation (mWh)								
Coal	-	-	-	-	83,505	-	307,006	69,237
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	96	-	-	-	676	1,212	3,319	1,602
Gas - CC	-	635,445	421,670	-	-	-	-	-
Gas - CT	-	-	25,148	-	-	25,734	-	-
Nuclear	-	-	-	590,430	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	96	635,445	446,818	590,430	84,181	26,946	310,325	70,839
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$41,853	$10,301
Limestone	-	-	-	-	104,520	-	313,013	79,074
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	8,110	-	98,233	28,204
Urea	-	-	-	-	83,163	-	-	-
Total	-	-	-	-	$195,792	-	$453,100	$117,579

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME March 2018
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$20,820,668	$273,562,818
Oil	-	-	(29,034)	(37,281)	17,990	-	711,625	77,828,014
Gas - CC	-	-	-	-	20,966,091	-	52,622,346	700,670,360
Gas - CT	-	-	98,133	70,901	6,897,204	-	9,190,716	91,290,352
Total	-	-	$69,099	$33,620	$27,881,285	-	$83,345,355	$1,143,351,544
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-	315.65	318.72
Oil	-	-	1,036.56	11,128.66	1,025.59	-	1,500.56	1,692.60
Gas - CC	-	-	-	-	498.11	-	444.58	479.96
Gas - CT	-	-	350.25	367.27	193.33	-	221.47	390.33
Weighted Average	-	-	274.02	177.23	358.44	-	368.30	440.09
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$16,172,215	$312,848,340
Oil - CC	-	-	-	-	156	-	156	59,966
Oil - Steam/CT	-	25,506	9,859	17,517	-	-	1,319,303	76,778,393
Gas - CC	-	-	-	-	20,966,091	-	52,622,346	700,670,360
Gas - CT	-	-	98,133	70,901	6,897,204	-	9,190,716	91,290,352
Nuclear	4,881,884	-	-	-	-	4,895,721	13,884,551	203,484,583
Total	$4,881,884	$25,506	$107,992	$88,418	$27,863,451	$4,895,721	$93,189,287	$1,385,131,994
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	320.82	315.35
Oil - CC	-	-	-	-	1,733.33	-	1,733.33	1,842.03
Oil - Steam/CT	-	1,667.07	1,760.54	1,762.27	-	-	1,570.11	1,650.30
Gas - CC	-	-	-	-	498.11	-	444.58	479.96
Gas - CT	-	-	350.25	367.27	193.33	-	221.47	390.33
Nuclear	62.81	-	-	-	-	65.45	65.56	65.07
Weighted Average	62.81	1,667.07	377.89	435.58	358.29	65.45	220.37	236.38
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.52	3.39
Oil - CC	-	-	-	-	15.60	-	15.60	20.32
Oil - Steam/CT	-	94.47	-	-	-	-	19.62	20.40
Gas - CC	-	-	-	-	3.41	-	3.15	3.42
Gas - CT	-	-	5.58	5.90	2.18	-	2.48	4.37
Nuclear	0.67	-	-	-	-	0.68	0.68	0.69
Weighted Average	0.67	94.47	6.42	8.26	2.99	0.68	2.01	2.21
Burned MBTU's								
Coal	-	-	-	-	-	-	5,040,824	99,206,526
Oil - CC	-	-	-	-	9	-	9	3,255
Oil - Steam/CT	-	1,530	560	994	-	-	84,026	4,652,392
Gas - CC	-	-	-	-	4,209,128	-	11,836,414	145,983,948
Gas - CT	-	-	28,018	19,305	3,567,622	-	4,149,939	23,387,875
Nuclear	7,772,130	-	-	-	-	7,480,052	21,177,240	312,735,532
Total	7,772,130	1,530	28,578	20,299	7,776,759	7,480,052	42,288,452	585,969,528
Net Generation (mWh)								
Coal	-	-	-	-	-	-	459,748	9,240,778
Oil - CC	-	-	-	-	1	-	1	295
Oil - Steam/CT	-	27	(77)	(131)	-	-	6,724	376,363
Gas - CC	-	-	-	-	615,007	-	1,672,122	20,467,065
Gas - CT	-	-	1,760	1,202	316,936	-	370,780	2,089,636
Nuclear	727,984	-	-	-	-	715,370	2,033,784	29,666,537
Hydro (Total System)							73,923	587,221
Solar (Total System)							21,477	247,821
Total	727,984	27	1,683	1,071	931,944	715,370	4,638,559	62,675,716
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$21,113	-	$73,267	$1,860,168
Limestone	-	-	-	-	-	-	496,607	9,348,300
Re-emission Chemical	-	-	-	-	-	-	-	226,743
Sorbents	-	-	-	-	-	-	134,546	2,624,356
Urea	-	-	-	-	-	-	83,163	1,000,055
Total	-	-	-	-	$21,113	-	$787,583	$15,059,623

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	99,694
Tons received during period	-	-	-	-	69,160
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	40,636
Ending balance	-	-	-	-	128,218
MBTUs per ton burned	-	-	-	-	24.74
Cost of ending inventory ($/ton)	-	-	-	-	78.39
Oil Data:					
Beginning balance	689,629	-	2,638,405	78,040	2,971,224
Gallons received during period	-	-	-	-	-
Miscellaneous use and adjustments	-	-	-	-	(4,205)
Gallons burned during period	20,520	-	-	-	168,735
Ending balance	669,109	-	2,638,405	78,040	2,798,284
Cost of ending inventory ($/gal)	2.22	-	2.80	2.49	2.27
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,483,691	3,168,771	-	289,172
MCF burned during period	-	4,483,691	3,168,771	-	289,172
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	18,351
Tons received during period	-	-	-	-	735
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,049
Ending balance	-	-	-	-	17,037
Cost of ending inventory ($/ton)	-	-	-	-	48.86

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	981,749	305,174	-	-	-
Tons received during period	180,080	11,613	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	124,633	36,007	-	-	-
Ending balance	1,037,196	280,780	-	-	-
MBTUs per ton burned	25.24	24.72	-	-	-
Cost of ending inventory ($/ton)	80.52	81.76	-	-	-
Oil Data:					
Beginning balance	381,833	294,896	174,304	715,134	11,661,259
Gallons received during period	225,587	128,081	-	-	(20,294)
Miscellaneous use and adjustments	(7,513)	(805)	-	-	-
Gallons burned during period	249,527	149,605	3,130	10,886	4,069
Ending balance	350,380	272,567	171,174	704,248	11,636,896
Cost of ending inventory ($/gal)	2.11	2.08	2.49	2.34	2.42
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	27,271
MCF burned during period	-	-	-	-	27,271
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	87,881	25,621	-	-	-
Tons received during period	7,548	75	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	8,613	1,962	-	-	-
Ending balance	86,816	23,734	-	-	-
Cost of ending inventory ($/ton)	33.63	37.05	-	-	-

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME March 2018
Coal Data:					
Beginning balance	-	-	-	1,386,617	1,932,778
Tons received during period	-	-	-	260,853	3,384,739
Inventory adjustments	-	-	-	-	24,990
Tons burned during period	-	-	-	201,276	3,896,313
Ending balance	-	-	-	1,446,194	1,446,194
MBTUs per ton burned	-	-	-	25.04	25.46
Cost of ending inventory ($/ton)	-	-	-	80.58	80.58
Oil Data:					
Beginning balance	10,294,337	8,272,744	267,363	38,439,168	38,887,412
Gallons received during period	(2,428)	12,711	-	343,657	33,319,878
Miscellaneous use and adjustments	-	-	-	(12,523)	(180,760)
Gallons burned during period	7,211	67	-	613,750	33,869,978
Ending balance	10,284,698	8,285,388	267,363	38,156,552	38,156,552
Cost of ending inventory ($/gal)	2.43	2.33	2.49	2.41	2.41
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	18,778	7,566,012	-	15,553,695	163,717,123
MCF burned during period	18,778	7,566,012	-	15,553,695	163,717,123
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	131,853	124,498
Tons received during period	-	-	-	8,358	225,395
Inventory adjustments	-	-	-	-	14,691
Tons consumed during period	-	-	-	12,624	236,997
Ending balance	-	-	-	127,587	127,587
Cost of ending inventory ($/ton)	-	-	-	36.30	36.30

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

MARCH 2018

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	326	$ 15,315	$ 46.92
	CONTRACT	68,834	5,486,599	79.71
	ADJUSTMENTS	-	103,104	-
	TOTAL	69,160	5,605,018	81.04
MAYO	SPOT	-	-	-
	CONTRACT	11,613	863,867	74.39
	ADJUSTMENTS	-	224,291	-
	TOTAL	11,613	1,088,158	93.70
ROXBORO	SPOT	-	-	-
	CONTRACT	180,080	13,577,032	75.39
	ADJUSTMENTS	-	550,460	-
	TOTAL	180,080	14,127,492	78.45
ALL PLANTS	SPOT	326	15,315	46.92
	CONTRACT	260,527	19,927,498	76.49
	ADJUSTMENTS	-	877,855	-
	TOTAL	260,853	$ 20,820,668	$ 79.82

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

MARCH 2018

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	7.09	10.31	12,394	1.73
MAYO	7.06	8.49	12,642	3.27
ROXBORO	6.49	8.40	12,739	2.54

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

MARCH 2018

	DARLINGTON	MAYO	ROXBORO
VENDOR	Indigo, Hightowers Petroleun Co. and Huguenot Fuels	Greensboro Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Spot	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	(2,428)	128,081	225,587
TOTAL DELIVERED COST	$ (37,281)	$ 276,024	$ 489,297
DELIVERED COST/GALLON	$ 15.35	$ 2.16	$ 2.17
BTU/GALLON	138,000	138,000	138,000

	SMITH ENERGY COMPLEX	SMITH ENERGY COMPLEX	WAYNE
VENDOR	Hightowers Petroleun Co., Petroleum Traders, Potter Oil and Tire	Petroleum Traders	Hightowers Petroleun Co., Indigo and Potter Oil and Tire
SPOT/CONTRACT	Spot	Contract	Spot
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	4,684	8,027	(20,294)
TOTAL DELIVERED COST	$ 2,262	$ 15,728	$ (29,034)
DELIVERED COST/GALLON	$ 0.48	$ 1.96	$ 1.43
BTU/GALLON	138,000	138,000	138,000

Notes:

Federal environmental fee reversals for January and February for the Asheville station totaling $(6,330) are excluded.

A price adjustment and federal environmental fee reversals for the Weatherspoon station, which net to $959, are also excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2017 - March, 2018
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,408,780	938	90.17	90.34
Brunswick 2	7,573,495	932	92.76	93.12
Harris 1	8,077,994	929	99.26	96.70
Robinson 2	6,606,268	741	101.77	97.65

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2017 through March, 2018
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,484,954	224	75.85	83.02
Lee Energy Complex	1B	1,453,699	223	74.34	83.28
Lee Energy Complex	1C	1,517,702	224	77.27	84.18
Lee Energy Complex	ST1	2,885,224	379	86.90	94.61
Lee Energy Complex	Block Total	7,341,579	1,050	79.82	87.54
Richmond County CC	7	1,219,345	189	73.65	80.37
Richmond County CC	8	1,203,968	189	72.72	79.64
Richmond County CC	ST4	1,374,680	175	89.67	88.05
Richmond County CC	9	1,413,543	215	75.23	79.94
Richmond County CC	10	1,437,289	215	76.49	81.41
Richmond County CC	ST5	1,903,723	248	87.63	91.01
Richmond County CC	Block Total	8,552,548	1,230	79.38	83.61
Sutton Energy Complex	1A	1,400,211	225	71.12	79.68
Sutton Energy Complex	1B	1,452,443	225	73.77	81.77
Sutton Energy Complex	ST1	1,720,578	268	73.29	91.08
Sutton Energy Complex	Block Total	4,573,232	718	72.76	84.59

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2017 through March, 2018

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,441,969	746	22.07	86.01
Roxboro 2	1,908,224	673	32.37	85.99
Roxboro 3	2,342,686	698	38.31	86.74
Roxboro 4	1,406,706	711	22.59	49.30

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2017 through March, 2018
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	584,089	192	34.73	73.22
Asheville 2	624,780	192	37.15	83.95
Roxboro 1	996,819	380	29.95	88.33

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2017 through March, 2018
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	163,987	370	93.85
Blewett CT	204	68	92.54
Darlington CT	142,058	895	75.43
Richmond County CT	1,764,333	921	87.48
Sutton CT	-113	76	100.00
Sutton Fast Start CT	138,730	92	90.81
Wayne County CT	191,175	960	96.03
Weatherspoon CT	1,130	164	83.58

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
April, 2017 through March, 2018
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	91,910	27.0	85.54
Marshall	5,234	4.0	33.15
Tillery	137,014	84.0	97.37
Walters	353,063	113.0	99.23

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.